

10/04/03 63]

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NEWS 4 AUG 05 New pricing for EUROPATFULL and PCTFULL effective  
August 1, 2003  
NEWS 5 AUG 13 Field Availability (/FA) field enhanced in BEILSTEIN  
NEWS 6 AUG 18 Data available for download as a PDF in RDISCLOSURE  
NEWS 7 AUG 18 Simultaneous left and right truncation added to PASCAL  
NEWS 8 AUG 18 FROSTI and KOSMET enhanced with Simultaneous Left and Right  
Truncation  
NEWS 9 AUG 18 Simultaneous left and right truncation added to ANABSTR  
NEWS 10 SEP 22 DIPPR file reloaded  
NEWS 11 SEP 25 INPADOC: Legal Status data to be reloaded  
NEWS 12 SEP 29 DISSABS now available on STN  
NEWS 13 OCT 10 PCTFULL: Two new display fields added  
NEWS 14 OCT 21 BIOSIS file reloaded and enhanced  
NEWS 15 OCT 28 BIOSIS file segment of TOXCENTER reloaded and enhanced  
  
NEWS EXPRESS OCTOBER 01 CURRENT WINDOWS VERSION IS V6.01a, CURRENT  
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),  
AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003  
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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'USPATFULL' ENTERED AT 14:17:24 ON 29 OCT 2003  
CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 28 Oct 2003 (20031028/PD)  
FILE LAST UPDATED: 28 Oct 2003 (20031028/ED)  
HIGHEST GRANTED PATENT NUMBER: US6640338  
HIGHEST APPLICATION PUBLICATION NUMBER: US2003200588  
CA INDEXING IS CURRENT THROUGH 28 Oct 2003 (20031028/UPCA)  
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 28 Oct 2003 (20031028/PD)  
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2003  
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2003

>>> USPAT2 is now available. USPATFULL contains full text of the <<<  
>>> original, i.e., the earliest published granted patents or <<<  
>>> applications. USPAT2 contains full text of the latest US <<<  
>>> publications, starting in 2001, for the inventions covered in <<<  
>>> USPATFULL. A USPATFULL record contains not only the original <<<  
>>> published document but also a list of any subsequent <<<  
>>> publications. The publication number, patent kind code, and <<<  
>>> publication date for all the US publications for an invention <<<  
>>> are displayed in the PI (Patent Information) field of USPATFULL <<<  
>>> records and may be searched in standard search fields, e.g., /PN, <<<  
>>> /PK, etc. <<<

>>> USPATFULL and USPAT2 can be accessed and searched together <<<  
>>> through the new cluster USPATALL. Type FILE USPATALL to <<<  
>>> enter this cluster. <<<  
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>>> Use USPATALL when searching terms such as patent assignees, <<<  
>>> classifications, or claims, that may potentially change from <<<  
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This file contains CAS Registry Numbers for easy and accurate  
substance identification.

=> S OCTOXYGLYCERIN? AND BIGUANIDE?  
31 OCTOXYGLYCERIN?  
3222 BIGUANIDE?  
L1 1 OCTOXYGLYCERIN? AND BIGUANIDE?

=> D L1

L1 ANSWER 1 OF 1 USPATFULL on STN  
AN 2003:219354 USPATFULL  
TI Gentle-acting skin-disinfectants  
IN Modak, Shanta, Riveredge, NJ, UNITED STATES  
Gaonkar, Trupti A., New York, NY, UNITED STATES  
Sampath, Lester, Nyack, NY, UNITED STATES  
PI US 2003152644 A1 20030814  
AI US 2001-47631 A1 20011023 (10)  
DT Utility  
FS APPLICATION  
LN.CNT 1109  
INCL INCLM: 424/667.000  
INCLS: 514/637.000; 514/642.000; 514/721.000  
NCL NCLM: 424/667.000  
NCLS: 514/637.000; 514/642.000; 514/721.000  
IC [7]  
ICM: A61K033-36  
ICS: A61K031-155; A61K031-14; A61K031-075  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> S OCTOXYGLYCERIN AND ANTIBACTERI?  
27 OCTOXYGLYCERIN

29895 ANTIBACTERI?  
L2 12 OCTOXYGLYCERIN AND ANTIBACTERI?

=> S BIGUANIDE AND ANTIBACTERI?

2421 BIGUANIDE  
29895 ANTIBACTERI?  
L3 606 BIGUANIDE AND ANTIBACTERI?

=> S L2 AND L3

L4 1 L2 AND L3

=> FILE REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	7.23	7.44

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STRUCTURE FILE UPDATES: 27 OCT 2003 HIGHEST RN 609766-09-8  
DICTIONARY FILE UPDATES: 27 OCT 2003 HIGHEST RN 609766-09-8

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP  
PROPERTIES for more information. See STNote 27, Searching Properties  
in the CAS Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

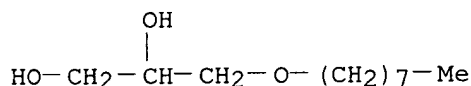
=> S OCTOXYGLYCERIN/CN

L5 1 OCTOXYGLYCERIN/CN

=> D L5

L5 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 10438-94-5 REGISTRY  
CN 1,2-Propanediol, 3-(octyloxy)- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 1,2-Dihydroxy-4-oxadodecane  
CN 1-O-Octyl-rac-glycerol  
CN 1-Octyl glyceryl ether  
CN 3-(Octyloxy)-1,2-propanediol  
CN 3-Octyloxy-1,2-propylene glycol  
CN Glycerin 1-octyl ether  
CN Glycerol .alpha.-octyl ether  
CN Glycerol 1-octyl ether  
CN Octadiol  
CN **Octoxyglycerin**  
FS 3D CONCORD  
DR 113725-19-2  
MF C11 H24 O3  
CI COM

LC STN Files: BEILSTEIN\*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST,  
IFICDB, IFIPAT, IFIUDB, TOXCENTER, USPAT2, USPATFULL  
(\*File contains numerically searchable property data)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

101 REFERENCES IN FILE CA (1907 TO DATE)  
3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
102 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
8 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

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COST IN U.S. DOLLARS

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ENTRY	SESSION
6.70	14.14

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>>> applications. USPAT2 contains full text of the latest US <<<  
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>>> publication date for all the US publications for an invention <<<  
>>> are displayed in the PI (Patent Information) field of USPATFULL <<<  
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>>> Use USPATALL when searching terms such as patent assignees, <<<  
>>> classifications, or claims, that may potentially change from <<<  
>>> the earliest to the latest publication. <<<

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=> S 10438-94-5/RN  
L6 27 10438-94-5/RN

=> S HIS  
L7 281531 HIS

=> D HIS

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L1 1 S OCTOXYGLYCERIN? AND BIGUANIDE?  
L2 12 S OCTOXYGLYCERIN AND ANTIBACTERI?  
L3 606 S BIGUANIDE AND ANTIBACTERI?  
L4 1 S L2 AND L3

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L5 1 S OCTOXYGLYCERIN/CN

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L6 27 S 10438-94-5/RN  
L7 281531 S HIS

=> S L6 AND L3  
L8 1 L6 AND L3

=> S L3 AND PD<1999  
2436034 PD<1999  
(PD<199900000)  
L9 368 L3 AND PD<1999

=> S L3 AND PD<1980  
570697 PD<1980  
(PD<198000000)  
L10 129 L3 AND PD<1980

=> S L3 AND PD<1970  
335 PD<1970  
(PD<197000000)  
L11 0 L3 AND PD<1970

=> S L3 AND PD<1978  
447491 PD<1978  
(PD<197800000)  
L12 74 L3 AND PD<1978

=> D L12 1-5, 69-74

L12 ANSWER 1 OF 74 USPATFULL on STN

AN 78:24587 USPATFULL  
TI Dentifrice containing visible agglomerated particles of polishing agents  
IN Roberts, Francis D., West Millington, NJ, United States  
Steinke, III, John J., Fayetteville, NY, United States  
PA Colgate Palmolive Company, New York, NY, United States (U.S.  
corporation)  
PI US 29634 19780516  
US 3574823 19710413 (Original) <--  
AI US 1975-604997 19750815 (5)  
US 1968-750028 19680805 (Original)  
RLI Continuation of Ser. No. US 1972-224629, filed on 8 Feb 1972, now  
abandoned  
DT Reissue  
FS Granted  
LN.CNT 668  
INCL INCLM: 424/057.000

INCLS: 424/049.000; 424/052.000; 424/054.000  
NCL NCLM: 424/057.000  
NCLS: 424/049.000; 424/052.000; 424/054.000  
IC [2]  
ICM: A61K007-18  
ICS: A61K007-22  
EXF 424/48-58; 051/293-309  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 2 OF 74 USPATFULL on STN  
AN 77:62780 USPATFULL  
TI Dentifrices  
IN Cordon, Martin, Highland Park, NJ, United States  
PA Colgate-Palmolive Company, New York, NY, United States (U.S.  
corporation)  
PI US 4060599 19771129 <--  
AI US 1976-675098 19760409 (5)  
RLI Continuation-in-part of Ser. No. US 1975-561842, filed on 25 Mar 1975,  
now patented, Pat. No. US 3957968 which is a continuation-in-part of  
Ser. No. US 1973-389826, filed on 20 Aug 1973, now abandoned which is a  
continuation-in-part of Ser. No. US 1973-355365, filed on 30 Apr 1973,  
now abandoned  
DT Utility  
FS Granted  
LN.CNT 357  
INCL INCLM: 424/049.000  
NCL NCLM: 424/049.000  
IC [2]  
ICM: A61K007-16  
ICS: A61K007-26  
EXF 424/57; 424/49; 424/52; 424/54; 424/58

L12 ANSWER 3 OF 74 USPATFULL on STN  
AN 77:61796 USPATFULL  
TI Ester substituted dibiguanides and non-toxic antimicrobial compositions  
thereof  
IN Bauman, Robert Andrew, New Brunswick, NJ, United States  
PA Colgate Palmolive Company, New York, NY, United States (U.S.  
corporation)  
PI US 4059687 19771122 <--  
AI US 1976-745511 19761126 (5)  
DT Utility  
FS Granted  
LN.CNT 372  
INCL INCLM: 424/054.000  
INCLS: 424/310.000; 560/034.000  
NCL NCLM: 424/054.000  
NCLS: 514/533.000; 560/034.000  
IC [2]  
ICM: A01N009-24  
ICS: A61K007-22; C07C129-16  
EXF 260/471R; 260/565; 424/310; 424/54  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 4 OF 74 USPATFULL on STN  
AN 77:61733 USPATFULL  
TI Insolubilized salts of 1,6-di-p-(chlorophenyl biguanido) hexane  
IN Harrison, Michael, Newcastle-upon-Tyne, England  
PA Colgate Palmolive Company, New York, NY, United States (U.S.  
corporation)  
PI US 4059624 19771122 <--  
AI US 1975-630390 19751110 (5)

RLI Division of Ser. No. US 1973-424388, filed on 13 Dec 1973, now patented,  
Pat. No. US 3937805 which is a continuation-in-part of Ser. No. US  
1971-197498, filed on 10 Nov 1971, now abandoned  
PRAI GB 1970-56578 19701127  
DT Utility  
FS Granted  
LN.CNT 421  
INCL INCLM: 260/565.000  
INCLS: 260/404.500; 260/429.300; 260/429.700; 260/448.000R;  
260/448.200N; 260/501.140; 424/052.000; 424/054.000  
NCL NCLM: 564/235.000  
NCLS: 424/052.000; 424/054.000; 556/036.000; 556/176.000; 556/400.000;  
562/584.000  
IC [2]  
ICM: C07C129-08  
ICS: C09F005-00; A61K007-18; A61K007-22  
EXF 260/501.14; 260/565

L12 ANSWER 5 OF 74 USPATFULL on STN  
AN 77:60612 USPATFULL  
TI Stabilized toothpastes containing an enzyme  
IN Nachtigal, Julius Harvey, Elizabeth, NJ, United States  
PA Colgate-Palmolive Company, New York, NY, United States (U.S.  
corporation)  
PI US 4058596 19771115 <--  
AI US 1973-418599 19731123 (5)  
RLI Continuation of Ser. No. US 1971-188769, filed on 13 Oct 1971, now  
abandoned  
DT Utility  
FS Granted  
LN.CNT 263  
INCL INCLM: 424/050.000  
NCL NCLM: 424/050.000  
IC [2]  
ICM: A61K007-28  
EXF 424/49-58  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 69 OF 74 USPATFULL on STN  
AN 73:3112 USPATFULL  
TI FLUORIDE CONTAINING TRANSPARENT DENTIFRICE  
IN Colodney, Daniel, Green Brook, NJ, United States  
Cordon, Martin, Highland Park, NJ, United States  
PA Colgate-Palmolive Company, New York, NY, United States (U.S.  
corporation)  
PI US 3711604 19730116 <--  
AI US 1971-164070 19710719 (5)  
DT Utility  
FS Granted  
LN.CNT 658  
INCL INCLM: 424/052.000  
INCLS: 424/078.000; 424/081.000; 424/083.000  
NCL NCLM: 424/052.000  
IC [1]  
ICM: A61R007-16  
EXF 424/52; 424/78; 424/81; 424/83  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 70 OF 74 USPATFULL on STN  
AN 71:45082 USPATFULL  
TI DENTAL CREAM  
IN Norfleet, James, 506 Lee Pl., Plainfield, NJ, United States 07063

Roberts, Francis D., 22 Crest Drive, W. Millington, NJ, United States  
07946

PI US 3624199 19711130 <--  
AI US 1969-818047 19690421 (4)  
DT Utility  
FS Granted  
LN.CNT 295  
INCL INCLM: 424/057.000  
NCL NCLM: 424/057.000  
NCLS: 206/524.500  
IC [1]  
ICM: A61K007-16  
EXF 424/49-58  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 71 OF 74 USPATFULL on STN

AN 71:43921 USPATFULL  
TI STABLE DENTAL CREAM  
IN Roberts, Francis D., W. Millington, NJ, United States  
Norfleet, James, Plainfield, NJ, United States  
PA Colgate-Palmolive Company, New York, NY, United States  
PI US 3622662 19711123 <--  
AI US 1969-818059 19690421 (4)  
DT Utility  
FS Granted  
LN.CNT 329  
INCL INCLM: 424/054.000  
INCLS: 424/057.000; 424/058.000  
NCL NCLM: 424/054.000  
NCLS: 424/057.000; 424/058.000  
IC [1]  
ICM: A61R007-16  
EXF 424/49-58  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 72 OF 74 USPATFULL on STN

AN 71:43920 USPATFULL  
TI ORAL PREPARATIONS  
IN King, William James, River Edge, NJ, United States  
Miller, Glendon Richard, Wichita, KS, United States  
PA Colgate-Palmolive Company, New York, NY, United States  
PI US 3622661 19711123 <--  
AI US 1970-54594 19700713 (5)  
RLI Continuation-in-part of Ser. No. US 1968-751352, filed on 9 Aug 1968,  
now abandoned  
DT Utility  
FS Granted  
LN.CNT 352  
INCL INCLM: 424/050.000  
INCLS: 424/094.000  
NCL NCLM: 424/050.000  
NCLS: 424/094.610  
IC [1]  
ICM: A61R007-16  
EXF 424/50

L12 ANSWER 73 OF 74 USPATFULL on STN

AN 71:32730 USPATFULL  
TI SIALAGOGUE  
IN Fuller, George Herbert, Colonia, NJ, United States  
PA Colgate-Palmolive Company, New York, NY, United States  
PI US 3608069 19710921 <--



AI US 1969-809019 19690320 (4)  
DT Utility  
FS Granted  
LN.CNT 391  
INCL INCLM: 424/052.000  
INCLS: 099/140.000  
NCL NCLM: 424/052.000  
NCLS: 426/548.000  
IC [1]  
ICM: A61K007-16  
EXF 424/49-58; 099/140  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 74 OF 74 USPATFULL on STN  
AN 71:32729 USPATFULL  
TI FLAVOR COMPOSITION  
IN Fuller, George H., Colonia, NJ, United States  
Klisch, Stephen, Somerset, NJ, United States  
PA Colgate-Palmolive Company, New York, NY, United States  
PI US 3608068 19710921 <--  
AI US 1969-809035 19690320 (4)  
DT Utility  
FS Granted  
LN.CNT 267  
INCL INCLM: 424/049.000  
INCLS: 099/140.000  
NCL NCLM: 426/534.000  
NCLS: 424/044.000; 424/049.000; 426/533.000  
IC [1]  
ICM: A61K007-16  
EXF 424/49-58; 099/140  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> D HIS

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FILE 'USPATFULL' ENTERED AT 14:17:24 ON 29 OCT 2003

L1 1 S OCTOXYGLYCERIN? AND BIGUANIDE?  
L2 12 S OCTOXYGLYCERIN AND ANTIBACTERI?  
L3 606 S BIGUANIDE AND ANTIBACTERI?  
L4 1 S L2 AND L3

FILE 'REGISTRY' ENTERED AT 14:20:10 ON 29 OCT 2003

L5 1 S OCTOXYGLYCERIN/CN

FILE 'USPATFULL' ENTERED AT 14:21:32 ON 29 OCT 2003

L6 27 S 10438-94-5/RN  
L7 281531 S HIS  
L8 1 S L6 AND L3  
L9 368 S L3 AND PD<1999  
L10 129 S L3 AND PD<1980  
L11 0 S L3 AND PD<1970  
L12 74 S L3 AND PD<1978

=> S L6 AND PD<1995  
1890742 PD<1995  
(PD<199500000)

L13 10 L6 AND PD<1995

=> D L13 1-10 BIB, KWIC

L13 ANSWER 1 OF 10 USPATFULL on STN

AN 91:62831 USPATFULL

TI Process for preparing flame retardant polyamide molding resins  
containing melamine cyanurate

IN Sprenkle, Jr., William E., Palmer, MA, United States

PA Monsanto Company, St. Louis, MO, United States (U.S. corporation)

PI US 5037869 19910806 <--

AI US 1990-534873 19900608 (7)

DT Utility

FS Granted

EXNAM Primary Examiner: Morgan, Kriellion S.

CLMN Number of Claims: 19

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 636

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

PI US 5037869 19910806 <--

IT 57-55-6, Propylene glycol, uses and miscellaneous 107-21-1, Ethylene  
glycol, uses and miscellaneous 117-81-7, DOP 123-31-9, Hydroquinone,  
uses and miscellaneous 3648-20-2, DUP **10438-94-5**, Octadiol  
25322-68-3, Polyethylene glycol  
(compatibilizers, for in-situ formation of melamine cyanurate in  
polyamides)

L13 ANSWER 2 OF 10 USPATFULL on STN

AN 87:86257 USPATFULL

TI Ether carboxylates and process for preparing same

IN Sekine, Fumimaro, Wakayama, Japan

Kurosaki, Tomihiro, Osaka, Japan

Ukena, Toshinao, Wakayama, Japan

Kamitani, Hiroshi, Wakayama, Japan

PA Kao Corporation, Tokyo, Japan (non-U.S. corporation)

PI US 4713487 19871215 <--

AI US 1986-865859 19860522 (6)

PRAI JP 1985-123315 19850606

JP 1985-138484 19850625

DT Utility

FS Granted

EXNAM Primary Examiner: Killos, Paul J.

LREP Oblon, Fisher, Spivak, McClelland, & Maier

CLMN Number of Claims: 2

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 283

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

PI US 4713487 19871215 <--

IT 1561-07-5, 1-Lauryl glyceryl ether **10438-94-5**, 1-Octyl glyceryl  
ether 58911-83-4, 1-(2-Decyltetradecyl) glyceryl ether  
(conversion of, to sodium alcoholate)

L13 ANSWER 3 OF 10 USPATFULL on STN

AN 84:44125 USPATFULL

TI Octodiol, a solvent for direct dissolution of cholesterol gallstones

IN Hofmann, Alan F., La Jolla, CA, United States

PA The Regents of the University of California, Berkeley, CA, United States  
(U.S. corporation)

PI US 4464399 19840807 <--

AI US 1983-506424 19830621 (6)

DT Utility

FS Granted

EXNAM Primary Examiner: Goldberg, Jerome D.; Assistant Examiner: Morrison,

Joyce L.  
LREP Mueth, Joseph E.  
CLMN Number of Claims: 6  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 149  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
PI US 4464399 19840807 <--  
IT **10438-94-5P**

(prepn. of, for dissoln. of cholesterol gallstones in humans)

L13 ANSWER 4 OF 10 USPATFULL on STN  
AN 83:41346 USPATFULL  
TI Complexed compounds, processes for their manufacture and their use  
IN Wirth, Hermann O., Bensheim-Auerbach, Germany, Federal Republic of  
Friedrich, Hans-Helmut, Lautertal-2, Germany, Federal Republic of  
PA Ciba-Geigy Corporation, Ardsley, NY, United States (U.S. corporation)  
PI US 4404408 19830913 <--  
AI US 1977-831309 19770907 (5)  
PRAI CH 1976-11391 19760908

DT Utility  
FS Granted  
EXNAM Primary Examiner: Shaver, Paul F.  
LREP Hall, Luther A. R.  
CLMN Number of Claims: 6  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 2065

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

PI US 4404408 19830913 <--  
IT 71-48-7D, complexes with polyols 75-75-2D, complexes with polyols  
121-43-7D, complexes with polyols 127-09-3D, complexes with polyols  
142-72-3D, complexes with polyols 306-61-6D, complexes with polyols  
373-02-4D, complexes with polyols 513-77-9D, complexes with polyols  
543-90-8D, complexes with polyols 627-92-9D, complexes with metal salts  
1309-42-8D, complexes with polyols 1310-65-2D, complexes with polyols  
1317-36-8D, complexes with polyols 1561-07-5D, complexes with metal  
salts 2092-16-2D, complexes with polyols 2794-60-7D, complexes with  
polyols 3251-23-8D, complexes with polyols 6303-21-5D, complexes with  
polyols 7446-14-2D, complexes with polyols 7446-70-0D, complexes with  
polyols 7447-39-4D, complexes with polyols 7487-94-7D, complexes with  
polyols 7550-45-0D, complexes with polyols 7601-90-3D, complexes with  
polyols 7631-86-9D, complexes with polyols 7637-07-2D, complexes with  
polyols 7646-78-8D, complexes with polyols 7646-85-7D, complexes with  
polyols 7647-15-6D, complexes with polyols 7647-18-9D, complexes with  
polyols 7664-38-2D, complexes with polyols 7664-93-9D, complexes with  
polyols 7681-11-0D, complexes with polyols 7697-37-2D, complexes with  
polyols 7699-43-6D, complexes with polyols 7699-45-8D, complexes with  
polyols 7705-08-0D, complexes with polyols 7718-54-9D, complexes with  
polyols 7727-43-7D, complexes with polyols 7757-82-6D, complexes with  
polyols 7757-88-2D, complexes with polyols 7758-94-3D, complexes with  
polyols 7758-98-7D, complexes with polyols 7761-88-8D, complexes with  
polyols 7772-98-7D, complexes with polyols 7772-99-8D, complexes with  
polyols 7773-01-5D, complexes with polyols 7783-40-6D, complexes with  
polyols 7786-30-3D, complexes with polyols 7787-39-5D, complexes with  
polyols 7787-47-5D, complexes with polyols 7787-60-2D, complexes with  
polyols 7789-48-2D, complexes with polyols 7789-75-5D, complexes with  
polyols 7789-79-9D, complexes with polyols 7790-86-5D, complexes with  
polyols 10025-73-7D, complexes with polyols 10025-82-8D, complexes  
with polyols 10025-91-9D, complexes with polyols 10026-04-7D,  
complexes with polyols 10026-12-7D, complexes with polyols  
10028-22-5D, complexes with polyols 10031-24-0D, complexes with polyols

10043-35-3D, complexes with polyols      10043-52-4D, complexes with polyols  
 10043-84-2D, complexes with polyols      10045-86-0D, complexes with polyols  
 10048-98-3D, complexes with polyols      10101-39-0D, complexes with polyols  
 10108-64-2D, complexes with polyols      10108-73-3D, complexes with polyols  
 10124-37-5D, complexes with polyols      10192-46-8D, complexes with polyols  
 10193-36-9D, complexes with polyols      10241-05-1D, complexes with polyols  
 10257-55-3D, complexes with polyols      10361-92-9D, complexes with polyols  
 10377-57-8D, complexes with polyols      10377-60-3D, complexes with polyols  
 10421-48-4D, complexes with polyols      10438-94-5D, complexes with  
 metal salts      10553-31-8D, complexes with polyols      12013-47-7D,  
 complexes with polyols      12032-36-9D, complexes with polyols  
 12032-52-9D, complexes with polyols      12035-39-1D, complexes with polyols  
 12049-50-2D, complexes with polyols      13255-26-0D, complexes with polyols  
 13446-03-2D, complexes with polyols      13597-44-9D, complexes with polyols  
 13598-36-2D, complexes with polyols      13701-64-9D, complexes with polyols  
 13767-68-5D, complexes with polyols      13776-74-4D, complexes with polyols  
 13778-49-9D, complexes with polyols      13780-04-6D, complexes with polyols  
 13823-29-5D, complexes with polyols      13840-10-3D, complexes with  
 polyols, uses and miscellaneous      13968-67-7D, complexes with polyols  
 14332-25-3D, complexes with polyols      14332-33-3D, complexes with polyols  
 14332-60-6D, complexes with polyols      14902-88-6D, complexes with polyols  
 15060-64-7D, complexes with polyols      15947-70-3D, complexes with polyols  
 18023-86-4D, complexes with metal salts      20128-42-1D, complexes with  
 polyols      20548-54-3D, complexes with polyols      21056-98-4D, complexes  
 with polyols      21109-95-5D, complexes with polyols      21402-25-5D,  
 complexes with polyols      21784-78-1D, complexes with polyols  
 22341-56-6D, complexes with polyols      22636-32-4D, complexes with metal  
 salts      22775-65-1D, complexes with polyols      25476-16-8D, complexes with  
 polyols      26946-37-2D, complexes with polyols      27288-44-4D, complexes  
 with polyols      40199-83-5D, complexes with polyols      57172-29-9D,  
 complexes with polyols      62568-17-6D, complexes with polyols  
 63387-30-4D, complexes with polyols      63387-32-6D, complexes with polyols  
 66368-77-2D, complexes with polyols      66368-80-7D, complexes with metal  
 salts      66368-81-8D, complexes with polyols      66368-82-9D, complexes with  
 metal salts      66368-83-0D, complexes with metal salts      66368-84-1D,  
 complexes with polyols      66368-85-2D, complexes with polyols  
 66369-70-8D, complexes with metal salts      66369-71-9D, complexes with  
 metal salts      66369-72-0D, complexes with metal salts      66369-73-1D,  
 complexes with metal salts      66369-74-2D, complexes with metal salts  
 66369-75-3D, complexes with metal salts      66395-19-5D, complexes with  
 polyols      66395-20-8D, complexes with polyols      66410-06-8D, complexes  
 with metal salts      66413-92-1D, complexes with metal salts      66469-45-2D,  
 complexes with polyols      66541-53-5D, complexes with polyols  
 (antistatic agents, for org. materials)

L13 ANSWER 5 OF 10 USPATFULL on STN

AN 76:29063 USPATFULL

TI Perfume blend including 2-keto-6-substituted-dioxanes-(1,4)

IN Barillo, Joseph, Glen Rock, NJ, United States

Payne, Jr., Thomas A., Teaneck, NJ, United States

Urban, Warren J., River Vale, NJ, United States

PA Lever Brothers Company, New York, NY, United States (U.S. corporation)

PI US 3959185 19760525 <--

AI US 1975-554940 19750303 (5)

RLI Division of Ser. No. US 1974-452229, filed on 18 Mar 1974, now abandoned

DT Utility

FS Granted

EXNAM Primary Examiner: Goldberg, Jerome D.; Assistant Examiner: Fagelson, A.  
P.

LREP Dusyn, Kenneth F., Farrell, James J., Grant, Arnold

CLMN Number of Claims: 5

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 371

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

PI US 3959185 19760525 <--

IT 1117-86-8P 1119-86-4P **10438-94-5P** 13006-29-6P 42789-13-9P  
(prepn. and cyclization with chloroacetic acid, dioxanone from)

L13 ANSWER 6 OF 10 USPATFULL on STN

AN 76:24559 USPATFULL

TI Synthetic polymers stabilized with a nickel benzoate and a polyol

IN Rasberger, Michael, Allschwil, Switzerland

Rody, Jean, Basel, Switzerland

Moser, Paul, Riehen, Switzerland

Mueller, Helmut, Binningen, Switzerland

PA Ciba-Geigy Corporation, Ardsley, NY, United States (U.S. corporation)

PI US 3954708 19760504 <--

AI US 1974-532142 19741212 (5)

RLI Division of Ser. No. US 1973-365801, filed on 31 May 1973, now patented,  
Pat. No. US 3867340

PRAI CH 1972-9334 19720621

DT Utility

FS Granted

EXNAM Primary Examiner: Hoke, V. P.

LREP Hall, Luther A. R.

CLMN Number of Claims: 12

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 382

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

PI US 3954708 19760504 <--

IT 56-81-5, uses and miscellaneous 102-71-6, uses and miscellaneous  
102-79-4 103-76-4 108-16-7 111-42-2, uses and miscellaneous  
115-77-5, uses and miscellaneous 120-07-0 122-20-3 141-43-5, uses  
and miscellaneous 1561-07-5 3179-63-3 **10438-94-5**  
52511-61-2

(stabilizers, contg. nickel hydroxybenzoates and hindered phenols, for  
polypropylene)

L13 ANSWER 7 OF 10 USPATFULL on STN

AN 76:21849 USPATFULL

TI 2-Keto-6-substituted dioxane-(1,4) compounds

IN Barillo, Joseph, Glen Rock, NJ, United States

Payne, Jr., Thomas A., Teaneck, NJ, United States

Urban, Warren J., River Vale, NJ, United States

PA Lever Brothers Company, New York, NY, United States (U.S. corporation)

PI US 3952016 19760420 <--

AI US 1975-554941 19750303 (5)

RLI Division of Ser. No. US 1974-452229, filed on 18 Mar 1974, now abandoned

DT Utility

FS Granted

EXNAM Primary Examiner: Milestone, Norma S.

LREP Dusyn, Kenneth F., Farrell, James J., Grant, Arnold

CLMN Number of Claims: 5

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 368

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

PI US 3952016 19760420 <--

IT 1117-86-8P 1119-86-4P **10438-94-5P** 13006-29-6P 42789-13-9P  
(prepn. and reaction of, with chloroacetic acid)

L13 ANSWER 8 OF 10 USPATFULL on STN

AN 75:49539 USPATFULL  
 TI Polyolefines with increased stability on processing, and with improved colour  
 IN Friedrich, Hans-Helmut, Lindenfels, Odenwald, Germany, Federal Republic of  
 Linhart, Helmut, Reinach, Switzerland  
 Wirth, Hermann O., Bensheim-Auerbach, Germany, Federal Republic of  
 PA Ciba-Geigy Corporation, Ardsley, NY, United States (U.S. corporation)  
 PI US 3907749 19750923 <--  
 AI US 1974-469273 19740513 (5)  
 PRAI DE 1973-2324922 19730517  
 DT Utility  
 FS Granted  
 EXNAM Primary Examiner: Hoke, V. P.  
 LREP Hall, Luther A. R., Shust, Nestor W.  
 CLMN Number of Claims: 5  
 ECL Exemplary Claim: 1  
 DRWN No Drawings  
 LN.CNT 608  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 PI US 3907749 19750923 <--  
 IT 5149-48-4 **10438-94-5** 20276-23-7 54575-17-6 54581-73-6  
 (decompn. temp. of)

L13 ANSWER 9 OF 10 USPATFULL on STN

AN 75:9068 USPATFULL  
 TI Nickel stabilizers for synthetic polymers  
 IN Rasberger, Michael, Allschwil, Switzerland  
 Rody, Jean, Basel, Switzerland  
 Moser, Paul, Riehen, Switzerland  
 Muller, Helmut, Binningen, Switzerland  
 PA Ciba-Geigy Corporation, Ardsley, NY, United States (U.S. corporation)  
 PI US 3867340 19750218 <--  
 AI US 1973-365801 19730531 (5)  
 PRAI CH 1972-9334 19720621  
 DT Utility  
 FS Granted  
 EXNAM Primary Examiner: Hoke, V. P.  
 LREP Shust, Nestor W.  
 CLMN Number of Claims: 10  
 ECL Exemplary Claim: 1  
 DRWN No Drawings  
 LN.CNT 309  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 PI US 3867340 19750218 <--  
 IT 56-81-5, uses and miscellaneous 102-71-6, uses and miscellaneous  
 102-79-4 103-76-4 108-16-7 111-42-2, uses and miscellaneous  
 115-77-5, uses and miscellaneous 120-07-0 122-20-3 141-43-5, uses  
 and miscellaneous 1561-07-5 3179-63-3 **10438-94-5**  
 52511-61-2  
 (stabilizers, contg. nickel hydroxybenzoates and hindered phenols, for polypropylene)

L13 ANSWER 10 OF 10 USPATFULL on STN

AN 72:15066 USPATFULL  
 TI SILVER HALIDE EMULSION CONTAINING 1.2-GLYCOL AS SENSITIZER AND ANTIFOGGANT  
 IN Sonoda, Minoru, Kanagawa, Japan  
 Yammamoto, Nobuo, Kanagawa, Japan  
 Mikawa, Akikazu, Kanagawa, Japan  
 PA Fuji Photo Film Co., Ltd., Ashigara-Kamigun, Kanagawa, Japan  
 PI US 3650759 19720321 <--

AI US 1969-840477 19690709 (4)  
PRAI JP 1968-48021 19680709  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Torchin, Norman G.; Assistant Examiner: Louie, Jr.,  
Won H.  
LREP Sughrue, Rothwell, Mion, Zinn & Macpeak  
CLMN Number of Claims: 11  
DRWN No Drawings  
LN.CNT 259  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
PI US 3650759 19720321 <--  
IT 76-09-5 93-56-1 123-34-2 513-85-9 538-43-2 584-03-2 1635-04-7  
6920-22-5 **10438-94-5**  
(photographic fog inhibitor and sensitizer)

=> D HIS

(FILE 'HOME' ENTERED AT 14:17:14 ON 29 OCT 2003)

FILE 'USPATFULL' ENTERED AT 14:17:24 ON 29 OCT 2003

L1 1 S OCTOXYGLYCERIN? AND BIGUANIDE?  
L2 12 S OCTOXYGLYCERIN AND ANTIBACTERI?  
L3 606 S BIGUANIDE AND ANTIBACTERI?  
L4 1 S L2 AND L3

FILE 'REGISTRY' ENTERED AT 14:20:10 ON 29 OCT 2003

L5 1 S OCTOXYGLYCERIN/CN

FILE 'USPATFULL' ENTERED AT 14:21:32 ON 29 OCT 2003

L6 27 S 10438-94-5/RN  
L7 281531 S HIS  
L8 1 S L6 AND L3  
L9 368 S L3 AND PD<1999  
L10 129 S L3 AND PD<1980  
L11 0 S L3 AND PD<1970  
L12 74 S L3 AND PD<1978  
L13 10 S L6 AND PD<1995

=> D L12 1-10, 69-74 BIB, KWIC

L12 ANSWER 1 OF 74 USPATFULL on STN

AN 78:24587 USPATFULL  
TI Dentifrice containing visible agglomerated particles of polishing agents  
IN Roberts, Francis D., West Millington, NJ, United States  
Steinke, III, John J., Fayetteville, NY, United States  
PA Colgate Palmolive Company, New York, NY, United States (U.S.  
corporation)  
PI US 29634 19780516  
US 3574823 19710413 (Original) <--  
AI US 1975-604997 19750815 (5)  
US 1968-750028 19680805 (Original)  
RLI Continuation of Ser. No. US 1972-224629, filed on 8 Feb 1972, now  
abandoned  
DT Reissue  
FS Granted  
EXNAM Primary Examiner: Rose, Shep K.  
LREP Sheffer, Abner  
CLMN Number of Claims: 36  
ECL Exemplary Claim: 1  
DRWN No Drawings

LN.CNT 668

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

PI US 29634 19780516  
US 3574823 19710413 (Original) <--

SUMM The toothpaste may also contain **antibacterial** agents in amounts of about 0.01-5%. Typical examples of such agents are guanidines, biguanides and amines such as:

SUMM p-Chlorophenyl **biguanide**;

SUMM 4-chlorobenzhydryl **biguanide**;

L12 ANSWER 2 OF 74 USPATFULL on STN

AN 77:62780 USPATFULL

TI Dentifrices

IN Cordon, Martin, Highland Park, NJ, United States

PA Colgate-Palmolive Company, New York, NY, United States (U.S. corporation)

PI US 4060599 19771129 <--

AI US 1976-675098 19760409 (5)

DCD 19930518

RLI Continuation-in-part of Ser. No. US 1975-561842, filed on 25 Mar 1975, now patented, Pat. No. US 3957968 which is a continuation-in-part of Ser. No. US 1973-389826, filed on 20 Aug 1973, now abandoned which is a continuation-in-part of Ser. No. US 1973-355365, filed on 30 Apr 1973, now abandoned

DT Utility

FS Granted

EXNAM Primary Examiner: Jiles, Henry R.; Assistant Examiner: Owens, Cary

LREP Stone, Robert L., Grill, Murray M., Sylvester, Herbert S.

CLMN Number of Claims: 6

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 357

PI US 4060599 19771129 <--

SUMM . . . quaternized imidazole derivatives, which are available under the trademark "Miranol" such as Miranol C.sub.2 M. Cationic surface active germicides and **antibacterial** compounds such as di-isobutylphenoxyethoxyethyl dimethyl benzyl ammonium chloride, benzyl dimethyl stearyl ammonium chloride, tertiary amines, having one fatty alkyl group. . .

SUMM The toothpaste may also contain **antibacterial** agents in amounts of about 0.1 -5%. Typical examples of such agents are guanidines, biguanides and amines such as:

SUMM N.sup.0 -(4-chlorobenzyl)-N.sup.5 -2,4-(dichlorobenzyl) **biguanide**;

SUMM p-chlorophenyl **biguanide**;

SUMM 4-chlorobenzhydryl **biguanide**;

L12 ANSWER 3 OF 74 USPATFULL on STN

AN 77:61796 USPATFULL

TI Ester substituted dibiguanides and non-toxic antimicrobial compositions thereof

IN Bauman, Robert Andrew, New Brunswick, NJ, United States

PA Colgate Palmolive Company, New York, NY, United States (U.S. corporation)

PI US 4059687 19771122 <--

AI US 1976-745511 19761126 (5)

DT Utility

FS Granted

EXNAM Primary Examiner: Raymond, Richard L.

LREP Stone, Robert L., Grill, Murray M., Sylvester, Herbert S.

CLMN Number of Claims: 9

ECL Exemplary Claim: 1,9



DRWN No Drawings

LN.CNT 372

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

PI US 4059687 19771122

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SUMM . . . or by alkyl, alkoxy or nitro groups and the phenyl is attached directly or through an alkylene group to the **biguanide** nucleus are described in U.S. Pat. Nos. 2,684,924 and 2,683,919. The ethylene bis-aryl biguanides are described in U.S. Pat. No. 2,690,455. Dibiguanides wherein an ethyl hexyl radical is the terminal group attached to the **biguanide** nucleus in oral compositions is disclosed in U.S. Pat. Nos. 3,562,385 and 3,887,712. Related analogs of Chlorhexidine wherein the terminal. . .

SUMM Although Chlorhexidine has been found to be an effective **antibacterial** agent against dental plaque, it is made from p-chloroaniline and the final product will contain small amounts of this reactant,. . .

DETD . . . Compounds wherein A or B is a carboxyl radical in lieu of instant alkyl ester radical are substantially devoid of **antibacterial** activity.

DETD . . . such as glycerine, sorbitol, propylene glycol 400; detergents; gelling agents such as Irish moss and sodium carboxy methyl cellulose; additional **antibacterial** agents; coloring or whitening agents; preservatives; silicones; chlorophyll compounds, additional ammoniated materials; flavoring or sweetening materials; and compounds which provide. . .

L12 ANSWER 4 OF 74 USPATFULL on STN

AN 77:61733 USPATFULL

TI Insolubilized salts of 1,6-di-p-(chlorophenyl biguanido) hexane

IN Harrison, Michael, Newcastle-upon-Tyne, England

PA Colgate Palmolive Company, New York, NY, United States (U.S. corporation)

PI US 4059624 19771122

<--

AI US 1975-630390 19751110 (5)

RLI Division of Ser. No. US 1973-424388, filed on 13 Dec 1973, now patented, Pat. No. US 3937805 which is a continuation-in-part of Ser. No. US 1971-197498, filed on 10 Nov 1971, now abandoned

PRAI GB 1970-56578 19701127

DT Utility

FS Granted

EXNAM Primary Examiner: Thomas, Jr., James O.; Assistant Examiner: Breitenstein, G. T.

LREP Stone, Robert L., Grill, Murray M., Sylvester, Herbert S.

CLMN Number of Claims: 1

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 421

PI US 4059624 19771122

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SUMM This invention relates to dentifrice compositions which contain an **antibacterial** agent which is effective in promoting oral hygiene, such as by reducing dental plaque, improving gingival conditions and reducing formation. . .

SUMM . . . with certain of its aspects, this invention relates of preparing a dentifrice composition comprising a non-toxic insolubilized 1,6-di-(p-chlorophenyl biguanido) hexane **antibacterial** agent in amount corresponding to about 0.01-5% by weight of the free base thereof and a dentifrice vehicle in which. . .

SUMM . . . acceptable and compatible with an oral composition such as a dentifrice or a mouthwash. Indeed, a soluble form of the **antibacterial** agent may react with an additional component of an oral composition such as sodium monofluorophosphate or sodium N-lauroyl sarcosinate to. . .

SUMM The insolubilized **antibacterial** agent is used in the oral composition in amount corresponding to 0.01-5% by weight, preferably 0.05-1%, based on the free base form of the **antibacterial** agent.

SUMM . . . salt thereof to form the water-insoluble polymer. It is noted that at about pH 10, the free base of the **antibacterial** agent is insoluble and is, therefore, when in such state, included within the scope of the oral compositions of this. . .

SUMM . . . microns and has a specific gravity of 2.42, is a particularly desirable polishing agent in dentifrice compositions containing the insolubilized **antibacterial** agent, and particularly the insolubilized disarcosinate of 1,6-di-(p-chlorophenyl biguanido) hexane. When visually clear gels are employed, a polishing agent of. . .

SUMM . . . to carbohydrate breakdown in addition to exerting some reduction in the solubility of tooth enamel in acid solutions. Furthermore, the **antibacterial** agent and the sarcosinate can react in situ to form desirable insoluble salts in accordance with the invention.

SUMM . . . highly effective in preventing brown staining of dental enamel and possess substantially no bitter taste. These salts also effectively provide **antibacterial** effect to the dentifrice compositions. Cationic surface active germicides and **antibacterial** compounds such as di-isobutylphenoxyethoxyethyl dimethyl benzyl ammonium chloride, benzyl dimethyl stearyl ammonium chloride, tertiary amines, having one fatty alkyl group. . .

SUMM The insolubilized **antibacterial** agents employed in accordance with this invention do not impart a bitter or undesirable taste to oral compositions. The taste. . .

SUMM . . . the water soluble fluorine content thereof. Potassium hexafluorozirconate, sodium hexafluorostannate and sodium monofluorophosphate can form insoluble polymeric salts with the **antibacterial** agent in situ in the dentifrice composition and still be present in excess. Sodium fluoride, stannous fluoride and sodium monofluorophosphate. . .

SUMM Additional **antibacterial** agents may also be employed in the oral preparations of the instant invention to provide a total content of such agents of up to about 5% by weight. Typical **antibacterial** agents include

SUMM N.sup.1 - (4-chlorobenzyl)-N.sup.5 - (2,4-dichlorobenzyl) **biguanide**;

SUMM 4-chlorobenzhydryl **biguanide**;

L12 ANSWER 5 OF 74 USPATFULL on STN

AN 77:60612 USPATFULL

TI Stabilized toothpastes containing an enzyme

IN Nachtigal, Julius Harvey, Elizabeth, NJ, United States

PA Colgate-Palmolive Company, New York, NY, United States (U.S. corporation)

PI US 4058596 19771115 <--

AI US 1973-418599 19731123 (5)

RLI Continuation of Ser. No. US 1971-188769, filed on 13 Oct 1971, now abandoned

DT Utility

FS Granted

EXNAM Primary Examiner: Brust, Joseph P.

LREP Baron, Steven J., Grill, Murray M., Sylvester, Herbert S.

CLMN Number of Claims: 7

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 263

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

PI US 4058596 19771115 <--

SUMM It may be desirable also to include **antibacterial** agents in the carrier, typically in an amount of about 0.01 to 5 percent, preferably about 0.05 to 1.0 percent of the carrier. Typical **antibacterial** agents include the bis-phenols and bisbiguanides such as:

SUMM p-chlorophenyl **biguanide**;

SUMM 4-chlorobenzhydryl **biguanide**;

L12 ANSWER 6 OF 74 USPATFULL on STN

AN 77:60611 USPATFULL

TI Stabilized toothpastes containing an enzyme

IN Colodney, Daniel, Green Brook, NJ, United States

PA Colgate-Palmolive Company, New York, NY, United States (U.S. corporation)

PI US 4058595 19771115 <--

AI US 1974-453360 19740321 (5)

RLI Continuation of Ser. No. US 1971-188993, filed on 13 Oct 1971, now abandoned

DT Utility

FS Granted

EXNAM Primary Examiner: Brust, Joseph P.

LREP Baron, Steven J., Grill, Murray M., Sylvester, Herbert S.

CLMN Number of Claims: 9

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 253

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

PI US 4058595 19771115 <--

SUMM It may be desirable also to include **antibacterial** agents in the carrier, typically in an amount of about 0.01 to 5 percent, preferably about 0.05 to 1.0 percent of the carrier. Typical **antibacterial** agents include the bis-phenols and bis-biguanides such as:

SUMM p-chlorophenyl **biguanide**;

SUMM 4-chlorobenzhydryl **biguanide**;

L12 ANSWER 7 OF 74 USPATFULL on STN

AN 77:52697 USPATFULL

TI Oral compositions for plaque, caries, and calculus retardation with reduced staining tendencies

IN Gieske, Henry Anthony, Covington, KY, United States

IN Juneja, Prem Sagar, Cincinnati, OH, United States

PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

PI US 4051234 19770927 <--

AI US 1976-681867 19760429 (5)

RLI Continuation-in-part of Ser. No. US 1975-584304, filed on 6 Jun 1975, now abandoned which is a continuation-in-part of Ser. No. US 1974-495951, filed on 9 Aug 1974, now abandoned

DT Utility

FS Granted

EXNAM Primary Examiner: Rose, Shep K.

LREP Hemingway, Ronald L., Allen, George W., Witte, Richard C.

CLMN Number of Claims: 20

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 882

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

PI US 4051234 19770927 <--

AB Oral compositions such as toothpastes, mouthwashes and the like containing a particular substantive bis-**biguanide** compound which inhibits the formation of plaque and caries, and a specific amino

carboxylate compound which inhibits the tendency of the bis-**biguanide** compound to produce a stain on oral surfaces, preferably while maintaining the bis-**biguanide** as a water-soluble salt.

SUMM The bis-**biguanide** compounds of this invention are known, having been disclosed in U.S. Pat. No. 2,684,924, Rose et al., patented July 27, . . .

SUMM Attempts have been made in the prior art to reduce the tooth-staining tendency of bis-**biguanide** antiplaque agents. For example Haefele, U.S. Pat. No. 3,934,002 issued Jan. 20, 1976 and Haefele's pending U.S. pat. application Ser. No. 635,030, filed Nov. 25, 1975, relate to the formation of insoluble bis-**biguanide** salts to reduce staining of teeth. Such insoluble materials are not, however, very useful in formulating clear liquid oral products. . .

SUMM . . . compositions since some chelators have a tendency to damage dental enamel. There is thus a continuing need for reduced staining bis-**biguanide** compositions which contain soluble materials and which do not contain chelating agents that are potentially damaging to teeth.

SUMM It has now been discovered that if the specific bis-**biguanide** compounds disclosed herein and the specific amino carboxylate compounds disclosed herein are used together in the oral cavity in the . . . and the compounds either being used together or sequentially, the stain that is normally caused by continuous use of the bis-**biguanide** compounds alone is effectively reduced. It is preferred that the amino carboxylate compound and the bis-**biguanide** compound be used together.

SUMM The bis-**biguanide** compounds of this invention have the generic formula: ##STR1## wherein A and A' each represent either (1) a phenyl radical. . .

SUMM . . . are those having a solubility in 25.degree. C. water equal to or greater than about 0.04%. Specific examples of these bis-**biguanide** compounds are disclosed hereinafter. pg,6

SUMM . . . oral surfaces which is resistant to removal by ordinary brushing with conventional dentifrices. This stain problem prevents compositions containing these bis-**biguanide** compounds from being accepted by the consumer. The bis-**biguanide** compounds are normally used in amounts of from about 0.01% to about 2.5% by weight of the composition, preferably from. . . or greater amounts may be used. In general, all that is required is to have an effective amount of the bis-**biguanide** salt in the mouth sufficient to give antiplaque and/or anticaries effectiveness.

SUMM . . . specific amino carboxylate compounds which have been found to be effective in preventing stain, but which do not precipitate the bis-**biguanide** compound are ethylenediaminediacetic acid (EDDA) and its pharmaceutically acceptable water-soluble salts (i.e., salts being soluble to the extent of equal. . . Haefele, U.S. Pat. No. 3,937,807, issued Feb. 10, 1976. Similar amino carboxylates, including ethylenediaminetetraacetic acid and iminodiacetic acid, precipitate the bis-**biguanide** compound and are very damaging to tooth enamel.

SUMM . . . of the oral compositions of the present invention, it is to be understood that the chelator compounds react with the bis-**biguanide** compounds in the ratio of two moles of chelator to one mole of bisbiguanide compound. Enough chelator should be present. . . compositions herein such that some excess chelator is present in addition to that which reacts or would react with the bis-**biguanide** present. The concentration of such excess chelator generally ranges from about 0.01% to 1.25%, preferably from about 0.1% to about. . .

SUMM In addition to the essential bis-**biguanide** and chelator components of the oral compositions of this invention as described in the foregoing, such compositions can also contain. . .

SUMM . . . the present invention are dentifrice compositions, especially

toothpastes. Dentifrices preferably contain from about 0.1% to 2.0% by weight of the bis-**biguanide** component and from about 0.1% to 1.25% by weight of the composition of the chelator in excess of that which reacts with the bis-**biguanide**. Dentifrices also contain an abrasive polishing material and typically also contain sudsing agents, flavoring agents and sweetening agents. Toothpaste compositions.

SUMM . . . those which are reasonably stable and form suds throughout a wide pH range, and which will not react with the bis-**biguanide** compound, i.e., non-soap nonionic, cationic, zwitterionic and amphoteric organic synthetic detergents.

SUMM . . . such as saccharin and 0% to 0.3% (preferably 0.05% to 0.3%) flavoring agent, and the balance water. The amount of bis-**biguanide** antibacterial agent in mouthwashes is typically from about 0.01% to about 1.2% by weight.

SUMM . . . 3,934,002, issued Jan. 20, 1976. This patent is incorporated herein by reference. However, if a solution is desired containing water-soluble bis-**biguanide** salt, then the phosphorus-containing anticalculus agent should not be used since it will form an insoluble salt with the bis-**biguanide** compound.

SUMM . . . desired reduction is an effective amount. Generally, an amount which supplies at least about 0.001 g. per usage of the bis-**biguanide** compound is effective. Composition components can be utilized in the instant method in sequential fashion instead of as single homogenous. . .

DETD When in the above examples, the following bis-**biguanide** compounds are substituted, either wholly or in part (50%) for the preferred chlorhexidine digluconate, substantially equivalent results are obtained in that plaque, calculus, caries and gingivitis are inhibited with reduced staining as compared to the use of the bis-**biguanide** compounds alone: 1,6-bis-(3-ethylhexylbiguanido)hexane dihydrochloride; 1,6-di-(N<sup>sup.5</sup>-phenyl-N<sup>sub.1</sup>-diguanido)hexane tetrahydrochloride; 1,6-di-(N<sup>sub.5</sup>-phenyl-N<sup>sub.5</sup>-methyl-N<sup>sup.1</sup>-diguanido)hexane dihydrochloride; 1,6-di-(N<sup>sup.5</sup>-o-chlorophenyl-N<sup>sup.1</sup>-diguanido)hexane dihydrochloride; 1,6-di-(N<sup>sup.5</sup>-2,6-dichlorophenyl-N<sup>sup.1</sup>-diguanido)-hexane dihydrochloride; . . . -p-chlorophenyl-N<sup>sup.1</sup>-diguanido) dodecane dihydrochloride; 1,10-di-(N<sup>sup.5</sup>-phenyl-N<sup>sup.1</sup>-diguanido) decane tetrahydrochloride; 1,12-di-(N<sup>sup.5</sup>-phenyl-N<sup>sup.1</sup>-diguanido) dodecane tetrahydrochloride; 1,6-di-(N<sup>sup.5</sup>-p-chlorophenyl-N<sup>sup.1</sup>-diguanido)hexane tetrahydrochloride; ethylene bis(1-tolyl **biguanide**); ethylene bis(p-tolyl **biguanide**); ethylene bis(3,5-dimethylphenyl **biguanide**); ethylene bis(p-tert-amylphenyl **biguanide**); ethylene bis(nonylphenyl **biguanide**); ethylene bis(phenyl **biguanide**); ethylene bis(N-butylphenyl **biguanide**); ethylene bis(2,5-diethoxyphenyl **biguanide**); ethylene bis(2,4-dimethylphenyl **biguanide**); ethylene bis(o-diphenyl **biguanide**); ethylene bis(mixed amyl naphthyl **biguanide**); N-butyl ethylene bis(phenyl **biguanide**); trimethylene bis(o-tolyl **biguanide**); N-butyl trimethylene bis(phenyl **biguanide**); tetramethylene bis(1-tolyl **biguanide**); the specific compounds disclosed in U.S. Pat. No. 2,863,919, Burtwell et al., Dec. 9, 1958), said patent being incorporated herein. . . cinnamates; thiocyanates; arginates; pyromellitates; tetracarboxybutyrates; benzoates; glutarates; monofluorophosphates; perfluoropropionates; and the salts prepared by reacting the following salts with the bis-**biguanide** compounds: Disodium ethane-1-hydroxy-1,1-diphosphonate; disodium salt of ethane-1,2-dicarboxy-1,2-diphosphonic acid; dipotassium salt of ethane-1,2-dicarboxy-1,2-dihydroxy-1,2-diphosphonic acid; the monocalcium salt of ethene-1,2-dicarboxy-1-phosphonic acid; the. . .

CLM

What is claimed is:

1. An oral composition effective in inhibiting bis-**biguanide** tooth staining and the formation of plaque, caries and calculus comprising a carrier suitable for use in the oral cavity and A. from about 0.01% to about 2.5% by weight of a tooth staining bis-**biguanide** compound, otherwise tending to produce a rather offensive brown tooth stain upon continuous oral use and having the generic formula: . . . by weight of the composition of a chelator in excess of the amount of chelator which will react with the bis-**biguanide** compounds, and which in said concentration range effectively reduces said bis-**biguanide** tooth stain without precipitating said tooth-staining bis-**biguanide**, said chelator being an amino carboxylate compound selected from the group consisting of: Ethylene-diaminediacetic acid and the water-soluble pharmaceutically acceptable. . . .
2. The composition of claim 1 wherein the bis-**biguanide** compound is a water-soluble salt and the ethylenediaminediacetic acid or salt thereof is symmetrical.
5. The composition of claim 2 containing from about 0.05% to about 1.2% by weight of the bis-**biguanide** compound and from about 0.1% to about 1% by weight of the amino carboxylate compound.
6. The composition of claim 2 wherein the bis-**biguanide** compound is [1,6-di-(N.<sup>sup.5</sup> -p-chlorophenyl-N.<sup>sup.1</sup> -di-guanido)hexane] digluconate.
7. The composition of claim 2 wherein the bis-**biguanide** compound is present as a pharmaceutically acceptable salt selected from the group consisting of the hydrochloride, acetate, and gluconate salts. . . .
10. The composition of claim 2 in the form of a dentifrice A. wherein the bis-**biguanide** compound comprises from about 0.1% to 2.0% by weight of the composition; and B. wherein the carrier component comprises an. . . .
12. The composition of claim 11 wherein the bis-**biguanide** is [1,6-di-(N.<sup>sup.5</sup> -p-chlorophenyl-N.<sup>sup.1</sup> -diguanido)hexane].
13. The composition of claim 2 in the form of a mouthwash wherein the bis-**biguanide** component comprises from about 0.01% to 1.2% by weight of the composition and wherein the carrier component comprises water and. . . .
14. The composition of claim 13 wherein the bis-**biguanide** is [1,6-di-(N.<sup>sup.5</sup> -p-chlorophenyl-N.<sup>sup.1</sup> -diguanido)hexane].
15. The process of inhibiting bis-**biguanide** tooth-staining and dental plaque and caries, comprising the steps of: A. contacting the oral cavity with an effective amount of. . . . carrier suitable for use in the oral cavity, and from about 0.01% to about 2.5% by weight of a tooth-staining bis-**biguanide** compound, otherwise tending to produce a rather offensive brown tooth stain upon continuous oral use, and having a generic formula: . . . weight of the combined compositions of a chelator in excess of the amount of chelator which will react with the bis-**biguanide** compounds of Step A, and which in said concentration range effectively reduces said bis-**biguanide** tooth stain without precipitating said tooth-staining bis-**biguanide**, said chelator being an amino carboxylate compound selected from the group consisting of: Ethylenediaminediacetic acid, and the water-soluble pharmaceutically acceptable. . . .
16. A process of inhibiting bis-**biguanide** tooth-staining and dental plaque and caries comprising the step of contacting the oral cavity with an effective amount of a. . . . suitable for use in the

oral cavity; and A. from about 0.01% to about 2.5% by weight of a tooth-staining bis-**biguanide** compound, otherwise tending to produce a rather offensive brown tooth stain upon continuous oral use, and having the generic formula:. . . by weight of the composition of a chelator in excess of the amount of chelator which will react with the bis-**biguanide** compounds, and which in said concentration range effectively reduces said bis-**biguanide** tooth stain without precipitating said tooth-staining bis-**biguanide**, said chelator being an amino carboxylate compound selected from the group consisting of: Ethylene-diaminediacetic acid, and the water-soluble pharmaceutically acceptable. . .

17. The process of claim 16 wherein the bis-**biguanide** compound is a water-soluble salt of 1,6-di-(N.sup.5 -p-chlorophenyl-N.sup.1 -diguanido)hexane.

19. An oral composition effective in inhibiting bis-**biguanide** tooth staining and the formation of plaque, caries and calculus comprising a carrier suitable for use in the oral cavity and A. from about 0.01% to about 2.5% by weight of a tooth staining bis-**biguanide** compound, otherwise tending to produce a rather offensive brown tooth stain upon continuous oral use and having the generic formula:. . . chelator which in said concentration range is present in excess of the amount of chelator which will react with the bis-**biguanide** and which effectively reduces said bis-**biguanide** tooth stain without precipitating said tooth-staining bis-**biguanide**, said chelator being an amino carboxylate compound selected from the group consisting of: Ethylene-diaminediacetic acid and the water-soluble pharmaceutically acceptable. . .

20. A composition in accordance with claim 19 wherein the bis-**biguanide** is a water-soluble chlorhexidine salt.

L12 ANSWER 8 OF 74 USPATFULL on STN

AN 77:49606 USPATFULL

TI Dental preparation containing materials having calcium and phosphate components

IN Tomlinson, Kenneth, Bramhall, England

Duff, Edward John, Sandbach, England

PA Colgate-Palmolive Company, New York, NY, United States (U.S. corporation)

PI US 4048300 19770913 <--

AI US 1976-653998 19760119 (5)

RLI Continuation of Ser. No. US 1974-431945, filed on 9 Jan 1974, now abandoned

PRAI GB 1973-1633 19730111

GB 1973-35459 19730725

GB 1973-35471 19730725

DT Utility

FS Granted

EXNAM Primary Examiner: Drezin, Norman A.

LREP Stone, Robert L., Grill, Murray M., Sylvester, Herbert S.

CLMN Number of Claims: 31

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 1458

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

PI US 4048300 19770913 <--

SUMM For some purposes it may be desirable to include **antibacterial** agents in the compositions of the present invention. Typical **antibacterial** agents which may be used in amounts of about 0.01% to about 5%, preferably about 0.05% to about 1.0%, by. . .

SUMM N.sup.1 -4(chlorobenzyl)-N.sup.5 -(2,4-dichlorobenzyl) **biguanide**

;  
SUMM p-chlorophenyl **biguanide**;  
SUMM 4-chlorobenzhydryl **biguanide**;

L12 ANSWER 9 OF 74 USPATFULL on STN

AN 77:48095 USPATFULL

TI Dermatological compositions

IN Smith, Donald Edward, Hamilton, OH, United States

PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

PI US 4046886 19770906 <--

AI US 1976-647943 19760112 (5)

RLI Division of Ser. No. US 1975-541902, filed on 17 Jan 1975, now patented, Pat. No. US 3952099 which is a division of Ser. No. US 1975-340787, filed on 22 Jul 1975, now patented, Pat. No. US 3896238 which is a continuation-in-part of Ser. No. US 1972-241404, filed on 5 Apr 1972, now abandoned

DT Utility

FS Granted

EXNAM Primary Examiner: Rose, Shep K.

LREP Dabek, Rose Ann, Yetter, Jerry J., Witte, Richard C.

CLMN Number of Claims: 5

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 1266

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

PI US 4046886 19770906 <--

DETD . . . cetylpyridinium chloride, dodecyltrimethylammonium bromide, decylmorpholinium sulfate, and the like, are suitable for use as the antimicrobial agent herein. Likewise, halogenated **antibacterial** agents such as 3,5,4'-tribromosalicylanilide, bis-(3,5,6-trichloro-2-hydroxyphenyl)methane, bis-(3,5-dichloro-2-hydroxyphenyl) sulfide, 3-trifluoromethyl-4,4'-dichlorocarbanilide, and mixtures thereof, can be used in conjunction with the compositions herein. . . to enhance their penetration into and through animal tissue. Another class of antimicrobial agents are the well-known alkyl or aryl bis-**biguanide** compounds. Such materials are commercially available. Also suitable herein are the salts, e.g., acetate, gluconate, hydrochloride, etc., of the foregoing bis-biguanides. Exemplary bis-biguanides suitable for use herein are 1,1'-hexamethylenebis [5'-(p-chlorophenyl)]-**biguanide** and the acetate and gluconate salts thereof, and 1,1'-hexamethylenebis [5-(2-ethylhexyl)]-**biguanide** and the acetate and gluconate salts thereof. A number of other suitable synthetic anti-bacterial agents are described in U.S. Pat. . . .

DETD . . . of epi-tetracycline hydrochloride and tetracycline hydrochloride (formed on dissolution of tetracycline hydrochloride in water), 3,5,4'-tribromosalicylanilide, bis-(3,5,6-trichloro-2-hydroxyphenyl)-methane, bis-(3,5-dichloro-2-hydroxyphenyl) sulfide, 3-trifluoromethyl-4,4'-dichlorocarbanilide, 1,1'-hexamethylenebis [5'-(p-chlorophenyl)]**biguanide**, 1,1'-hexamethylenebis [5-(2-ethylhexyl)]**biguanide**, cetylpyridinium chloride, zinc undecylenate, oxytetracycline, terramycin, gramicidin, aureomycin, neomycin, tyrothricin, sulfonilamide, penicillin and zinc pyridinethione-1-oxide. Especially preferred antimicrobial agents herein. . .

DETD . . . tetracycline hydrochloride, an equilibrium mixture of tetracycline hydrochloride and epi-tetracycline hydrochloride, 3,5,4'-tribromosalicylanilide, bis-(3,5,6-trichloro-2-hydroxyphenyl) methane, bis-(3,5-dichloro-2-hydroxyphenyl) sulfide, 3-trifluoromethyl-4,4'-dichlorocarbanilide, 1,1'-hexamethylene bis [5'(p-chlorophenyl) ]**biguanide**, 1,1'-hexamethylene bis



[5'-(2-ethylhexyl)]**biguanide**, cetylpyridinium chloride, zinc undecylenate, oxytetracycline, terramycin, gramicidin, aureomycin, neomycin, tyrothricin, sulfonilamide, and zinc pyridinethione-1-oxide, respectively, and equivalent results are secured.

L12 ANSWER 10 OF 74 USPATFULL on STN

AN 77:48081 USPATFULL

TI Dental cream

IN Mitchell, Robert Lee, Somerset, NJ, United States

Chung, William John, Spotswood, NJ, United States

PA Colgate Palmolive Company, New York, NY, United States (U.S. corporation)

PI US 4046872 19770906 <--

AI US 1975-618856 19751002 (5)

RLI Continuation-in-part of Ser. No. US 1974-464896, filed on 29 Apr 1974, now abandoned which is a continuation-in-part of Ser. No. US 1973-369705, filed on 13 Jun 1973, now abandoned

DT Utility

FS Granted

EXNAM Primary Examiner: Rose, Shep K.

LREP Stone, Robert L., Grill, Murray M., Sylvester, Herbert S.

CLMN Number of Claims: 22

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 447

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

PI US 4046872 19770906 <--

SUMM . . . deterative material may be included in the dentifrice compositions. Such compatible materials are desirable to provide additional deterative, foaming and **antibacterial** properties depending upon the specific type of surface active material and are selected similarly. These detergents are water-soluble organic compounds. . . .

SUMM For some purposes it may be desirable to include **antibacterial** agents in the compositions of the present invention. Typical **antibacterial** agents which may be used in amounts of about 0.01 to about 5%, preferably about 0.05 to about 1.0%, by. . .

SUMM N.sup.1 -4(chlorobenzyl)-N.sup.5 -(2,4-dichlorobenzyl) **biguanide** ;

SUMM p-chlorophenyl **biguanide**;

SUMM 4-chlorobenzhydryl **biguanide**;

L12 ANSWER 69 OF 74 USPATFULL on STN

AN 73:3112 USPATFULL

TI FLUORIDE CONTAINING TRANSPARENT DENTIFRICE

IN Colodney, Daniel, Green Brook, NJ, United States

Cordon, Martin, Highland Park, NJ, United States

PA Colgate-Palmolive Company, New York, NY, United States (U.S. corporation)

PI US 3711604 19730116 <--

AI US 1971-164070 19710719 (5)

DT Utility

FS Granted

EXNAM Primary Examiner: Huff, Richard L.

LREP Herbert S. Sylvester et al.

CLMN Number of Claims: 24

DRWN No Drawings

LN.CNT 658

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

PI US 3711604 19730116 <--

SUMM . . . quaternized imidazole derivatives, which are available under the trademark "Miranol" such as Miranol C.sub.2 M. Cationic surface

active germicides and **antibacterial** compounds such as di-isobutylphenoxyethoxyethyl dimethyl benzyl ammonium chloride, benzyl dimethyl stearyl ammonium chloride, tertiary amines having one fatty alkyl group. . .

SUMM **Antibacterial** agents may also be employed in the oral preparations of the instant invention in an amount of about 0.1-5 percent by weight. Typical **antibacterial** agents include

SUMM N.sup.1 -(4-chlorobenzyl)-N.sup.5 -(2,4-dichlorobenzyl) **biguanide**;

SUMM p-chlorophenyl **biguanide**;

SUMM 4-chlorobenzhydryl **biguanide**;

L12 ANSWER 70 OF 74 USPATFULL on STN

AN 71:45082 USPATFULL

TI DENTAL CREAM

IN Norfleet, James, 506 Lee Pl., Plainfield, NJ, United States 07063  
Roberts, Francis D., 22 Crest Drive, W. Millington, NJ, United States  
07946

PI US 3624199 19711130 <--

AI US 1969-818047 19690421 (4)

DT Utility

FS Granted

EXNAM Primary Examiner: Huff, Richard L.

LREP Sylvester; Herbert S., Grill; Murray M., Blumenkopf; Norman, Cornell;  
Ronald S., Corum; Thomas J., Miller; Richard N., Stone; Robert L.

CLMN Number of Claims: 9

DRWN No Drawings

LN.CNT 295

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

PI US 3624199 19711130 <--

DETD . . . ethylene oxide, condensates of ethylene oxide with propylene oxide condensates of propylene glycol ("Pluronic") and cationic surface active germicides and **antibacterial** compounds such as di-isobutylphenoxyethyl dimethyl benzyl ammonium chloride, benzyl dimethyl stearyl ammonium chloride, tertiary amines having one fatty alkyl group. . .

DETD **Antibacterial** agents may also be employed in the dental creams of the instant invention. Typical **antibacterial** agents include

DETD N.sup.1 -(4-chlorobenzyl)-N.sup.5 -(2,4-dichlorobenzyl) **biguanide**;

DETD p-chlorophenyl **biguanide**;

DETD 4-chlorobenzhydryl **biguanide**;

DETD The **antibacterial** agent, when present, is employed in amounts of about 0.01-5 percent by weight, preferably about 0.05-5 percent.

L12 ANSWER 71 OF 74 USPATFULL on STN

AN 71:43921 USPATFULL

TI STABLE DENTAL CREAM

IN Roberts, Francis D., W. Millington, NJ, United States  
Norfleet, James, Plainfield, NJ, United States

PA Colgate-Palmolive Company, New York, NY, United States

PI US 3622662 19711123 <--

AI US 1969-818059 19690421 (4)

DT Utility

FS Granted

EXNAM Primary Examiner: Huff, Richard L.

LREP Sylvester; Herbert S., Grill; Murray M., Blumenkopf; Norman, Cornell;  
Ronald S., Corum; Thomas J., Miller; Richard M., Stone; Robert L.

CLMN Number of Claims: 16

DRWN No Drawings

LN.CNT 329

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

PI US 3622662 19711123 <--  
SUMM . . . ethylene oxide, condensates of ethylene oxide with propylene  
oxide condensates of propylene glycol ("Plurronics") and cationic surface  
active germicides and **antibacterial** compounds such as  
di-isobutylphenoxyethoxyethyl dimethyl benzyl ammonium chloride, benzyl  
dimethyl stearyl ammonium chloride, tertiary amines having one fatty  
alkyl group. . .  
SUMM **Antibacterial** agents may also be employed in the dental creams  
of the instant invention. Typical **antibacterial** agents include  
SUMM N.sup.1 -(4-chlorobenzyl)-N.sup.5 -(2,4 -dichlorobenzyl)  
**biguanide**;  
SUMM p-chlorophenyl **biguanide**;  
SUMM 4-chlorobenzhydryl **biguanide**;  
SUMM The **antibacterial** agent, when present, is employed in amounts  
of about 0.01- 5 percent by weight, preferably about 0.05- 5 percent.

L12 ANSWER 72 OF 74 USPATFULL on STN

AN 71:43920 USPATFULL  
TI ORAL PREPARATIONS  
IN King, William James, River Edge, NJ, United States  
Miller, Glendon Richard, Wichita, KS, United States  
PA Colgate-Palmolive Company, New York, NY, United States  
PI US 3622661 19711123 <--  
AI US 1970-54594 19700713 (5)  
RLI Continuation-in-part of Ser. No. US 1968-751352, filed on 9 Aug 1968,  
now abandoned  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Huff, Richard L.  
LREP Sylvester; Herbert S., Grill; Murray M., Blumenkopf; Norman, Cornell;  
Ronald S., Corum; Thomas J., Miller; Richard N., Stone; Robert L.  
CLMN Number of Claims: 9  
DRWN No Drawings  
LN.CNT 352

PI US 3622661 19711123 <--  
DETD . . . ethylene oxide, condensates of ethylene oxide with propylene  
oxide condensates of propylene glycol ("Plurronics") and cationic surface  
active germicides and **antibacterial** compounds such as  
di-isobutylphenoxyethoxyethyl dimethyl benzyl ammonium chloride, benzyl  
dimethyl stearyl ammonium chloride, tertiary amines having one fatty  
alkyl group. . .  
DETD Additionally, **antibacterial** agents may be desirably  
incorporated in the compositions of the invention. Such agents include:  
DETD N.sup.1 -(4-chlorobenzyl)-N.sup.5 -(2,4-dichlorobenzyl)  
**biguanide**;  
DETD p-chlorophenyl **biguanide**;  
DETD 4-chlorobenzhydryl **biguanide**;

L12 ANSWER 73 OF 74 USPATFULL on STN

AN 71:32730 USPATFULL  
TI SIALAGOGUE  
IN Fuller, George Herbert, Colonia, NJ, United States  
PA Colgate-Palmolive Company, New York, NY, United States  
PI US 3608069 19710921 <--  
AI US 1969-809019 19690320 (4)  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Huff, Richard L.  
LREP Sylvester; Herbert S., Grill; Murray M., Blumenkopf; Norman, Cornell;  
Ronald S., Corum; Thomas J., Miller; Richard N., Stone; Robert L.  
CLMN Number of Claims: 17  
DRWN No Drawings

LN.CNT 391

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

PI US 3608069 19710921 <--

DETD . . . of ethylene oxide, condensates of ethylene oxide with propylene oxide condensates of propylene glycol ("Pluronic") and cationic surface-active germicides and **antibacterial** compounds such as di-isobutylphenoxyethoxyethyl dimethyl benzyl ammonium chloride, benzyl dimethyl stearyl ammonium chloride, tertiary amines having one fatty alkyl group. . . .

DETD It may be desirable too to include **antibacterial** agents in the carrier, typically in amount of about 0.01 percent-5 percent, preferably about 0.05-1.0 percent, by weight of the carrier. Typical **antibacterial** agents include:

DETD N.sup.1 -(4-chlorobenzyl)-N.sup.5 -(2,4-dichlorobenzyl)  
**biguanide;**

DETD p-chlorophenyl **biguanide;**

DETD 4-chlorobenzhydryl **biguanide;**

L12 ANSWER 74 OF 74 USPATFULL on STN

AN 71:32729 USPATFULL

TI FLAVOR COMPOSITION

IN Fuller, George H., Colonia, NJ, United States

Klisch, Stephen, Somerset, NJ, United States

PA Colgate-Palmolive Company, New York, NY, United States

PI US 3608068 19710921 <--

AI US 1969-809035 19690320 (4)

DT Utility

FS Granted

EXNAM Primary Examiner: Huff, Richard L.

LREP Sylvester; Herbert S., Grill; Murray M., Blumenkopf; Norman, Cornell;

Ronald S., Corum; Thomas J., Miller; Richard N., Stone; Robert L.

CLMN Number of Claims: 5

DRWN No Drawings

LN.CNT 267

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

PI US 3608068 19710921 <--

DETD . . . of sorbitan monostearate with approximately 60 moles of ethylene oxide, condensates of propylene glycol ("Pluronic") and cationic surface-active germicides and **antibacterial** compounds such as di-isobutylphenoxyethoxyethyl ammonium chloride, tertiary amines having one fatty alkyl group (of from 12 to 18 carbon atoms). . . .

DETD It may be desirable too, to include **antibacterial** agents in the carrier, typically in amount of about 0.001-5 percent, preferably about 0.05-1.0 percent, of weight of the carrier typical **antibacterial** agents include:

DETD N.sup.1 -(4-chlorobenzyl)-N.sup.5 -(2,4-dichlorobenzyl)  
**biguanide;**

DETD p-chlorophenyl **biguanide;**

DETD 4-chlorobenzhydryl **biguanide;**